

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



14 DEC 2004



(43) International Publication Date  
31 December 2003 (31.12.2003)

PCT

(10) International Publication Number  
WO 2004/000277 A1

(51) International Patent Classification<sup>7</sup>: A61K 9/14, 9/50, A61F 13/00

(21) International Application Number: PCT/US2003/019007

(22) International Filing Date: 17 June 2003 (17.06.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 60/389,934 20 June 2002 (20.06.2002) US

(71) Applicant (for all designated States except US): ROYER BIOMEDICAL, INC. [US/US]; 4580 F Mack Avenue, Frederick, MD 21703 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): ROYER, Garfield, P. [US/US]; 4580 F Mack Avenue, Frederick, MD 21703 (US).

(74) Agent: DAVIDSON, Bryan, H.; Nixon & Vanderhye P.C., 1100 North Glebe Road, Suite 800, Arlington, VA 22201-4714 (US).

A61K 9/14,

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/000277 A1

(54) Title: RESORBABLE DELIVERY SYSTEMS FOR THE TREATMENT OF CANCER

(57) Abstract: This invention relates generally to the production and use of inorganic-polymer complexes for the controlled release of anti-cancer agents. Advantageously, the inorganic used is calcium sulfate. The invention also includes novel methods of treating cancer.